

DRILL HOLES

DRILL HOLES

DRILL HOLES

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES PROVIDING AN INTERCONNECT CABLE FROM THE INTERSECTION OF MD 212 (POWDER MILL ROAD) AND OLD GUNPOWDER ROAD/AMMENDALE ROAD TO THE INTERSECTION OF MD 212 (POWDER MILL ROAD) AND 34TH PLACE/MONTGOMERY ROAD. THE INTERCONNECT CABLE WILL BE CONSTRUCTED TO MDSA STANDARDS. SOME OF THE CABINETS, HANDBOXES AND CONDUITS WILL BE UTILIZED IN THE ULTIMATE INTERSECTION CONFIGURATION, AND SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE FINAL MDSA APPROVED ULTIMATE TRAFFIC SIGNAL PLAN.

ALL UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE BECAUSE THEY MAY BE MODIFIED PRIOR TO AND DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY.

CONTROLLER REQUIREMENTS

AN EIGHT PHASE, FULL TRAFFIC-ACTUATED, SOLID STATE DIGITAL CONTROLLER WITH INTERSECTION MONITOR, VIDEO CAMERA EQUIPMENT, TELEMETRY EQUIPMENT AND HARNESS, BATTERY BACK-UP HOUSED IN A BASE MOUNTED CABINET ARE TO BE RE-USED AT BOTH INTERSECTION LOCATIONS.

SPECIAL NOTES

- 1) THE SIGNAL CONTRACTOR SHALL BE REQUIRED TO CONTACT MR. ED RODENHIZER, @ SHA SIGNAL SHOP (410-787-7652) AT LEAST 72 HOURS IN ADVANCE OF ANY SITE CONSTRUCTION.
- 2) MATERIALS TO BE FURNISHED AND INSTALLED BY CONTRACTOR SHALL REQUIRE CATALOG CUTS SUBMITTED TO THE SHA FOR APPROVAL PRIOR TO PURCHASING.
- 3) ALL CABINETS, HANDBOXES, AND CONDUIT LOCATIONS/PLACEMENT SHALL BE VERIFIED OR CHANGED AS NECESSARY BY THE SHA INSPECTOR.
- 4) UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER AT (410) 787-7631 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. ROBERT SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE AND PHONE NUMBER.

PROJECT CONTACTS

THE CONTACTS FOR THIS PROJECT ARE AS FOLLOWS:

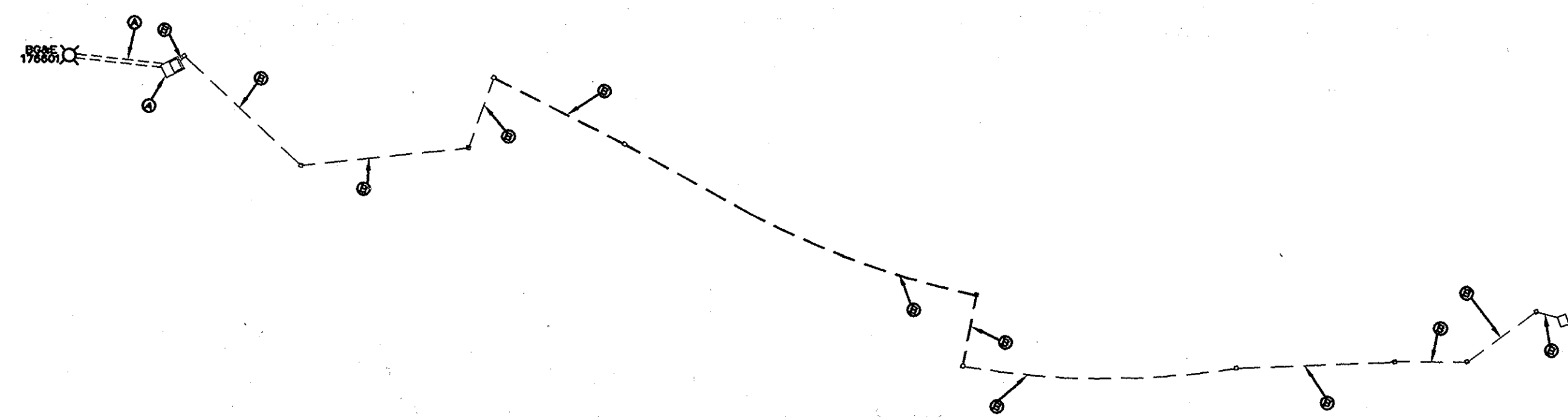
DISTRICT 3

- MR. BRIAN YOUNG  
ASST. DIST. ENGR., TRAFFIC  
301 513-7358
- MR. WAYNE MOWDY  
ASST. DIST. ENGR., MAINTENANCE  
301 513-7304
- MR. AUGIE REBISH  
UTILITIES ENGR.  
301 513-7350
- MR. KEVIN NOVAK  
ASST. DIST. ENGR., CONSTRUCTION  
301 513-7336

THE OFFICE OF TRAFFIC MD SAFETY

- MR. RICHARD DAFF  
CHIEF, TRAFFIC OPERATIONS DIVISION  
410 787-7630
- MR. ROBERT SNYDER  
ASST. DIV. CHIEF, TRAFFIC OPERATIONS  
410 787-7631
- MR. ED RODENHIZER  
TEAM LEADER, SIGNAL OPERATIONS  
410 787-7652
- MR. EUGENE BAILEY  
TEAM LEADER, SIGN OPERATIONS  
410 787-7676
- MS. DARLENE EIDE  
SUPPLY OFFICER, SIGNAL WAREHOUSE  
410 787-7668

MD 212 IS ASSUMED TO RUN  
IN AN EAST - WEST DIRECTION




WIRING DIAGRAM

- A PHONE DROP
- B INTERCONNECT CABLE - 12 PAIR COMMUNICATION CABLE, JELLY FILLED (UNDERGROUND).


EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION		
ITEM	QUANTITY	DESCRIPTION
800000	2 EA.	QUICK CONNECT BLOCK.
805125	50 LF.	2" SCHEDULE 80 RIGID CONDUIT - TRENCHED.
805135	350 LF.	3" SCHEDULE 80 RIGID PVC CONDUIT TRENCHED.
805150	50 LF.	3" SCHEDULE 80 RIGID PVC CONDUIT SLOTTED.
811001	1 EA.	FURNISH & INSTALL ELECTRICAL HANDHOLE.
822002	1050 LF	INTERCONNECT CABLE (12 PAIR) JELLY FILLED.


B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR		
ITEM	QUANTITY	DESCRIPTION
800000	2 EA.	QUICK CONNECT BLOCK.
805125	50 LF.	2" SCHEDULE 80 RIGID CONDUIT - TRENCHED.
805135	350 LF.	3" SCHEDULE 80 RIGID PVC CONDUIT TRENCHED.
805150	50 LF.	3" SCHEDULE 80 RIGID PVC CONDUIT SLOTTED.
811001	1 EA.	FURNISH & INSTALL ELECTRICAL HANDHOLE.
822002	1050 LF	INTERCONNECT CABLE (12 PAIR) JELLY FILLED.

**Dewberry**

203 Perry Parkway, Suite 1  
Gaithersburg, MD 20877-2169  
301.948.8300 Fax: 301.258.7607  
www.dewberry.com



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
POWDER MILL ROAD (MD 212)  
FROM OLD GUNPOWDER ROAD  
TO MONTGOMERY ROAD/34TH PLACE



INTERCONNECT PLAN

SCALE 1"=40' ADVERTISED DATE NOV 2007 CONTRACT NO.

DESIGNED BY EBR

DRAWN BY EBR

CHECKED BY CJP

F.A.P. NO. N/A

COUNTY PRINCE GEORGE'S

LOGMILE 16021208.97

TMS NO. G163 (1769)

TOD NO.

TS NO. 3060

DRAWING

OF

SHEET NO. 2 OF 2